WHAT IS CLAIMED IS:

1. Apparatus for transporting a stream of particulate material, comprising;

a channel having elongated walls defining a stream-receiving and guiding path, at least one of said walls being movable lengthwise and having a stream-contacting surface provided with material-receiving recesses; and

means for moving said at least one wall.

2. The apparatus of claim 1, wherein the particulate material is a smokable material.

3. The apparatus of claim 1, wherein said at least one wall forms part of an endless flexible element.

4. The apparatus of claim 3, wherein said endless flexible element includes a toothed belt.

5. The apparatus of claim 4, wherein said toothed belt has alternating teeth and tooth spaces, said tooth spaces constituting said recesses.

6. The apparatus of claim 4, wherein said means for moving includes a pulley rotatable about a predetermined axis and including a cage having bars parallel with said axis and mating with the teeth of said belt.

7. The apparatus of claim 6, further comprising a second pulley having a toothless peripheral surface, said belt being trained over said second pulley.

8. The apparatus of claim 1, wherein said means for moving includes a rotary pulley and a digital servo drive for said pulley.

9. The apparatus of claim 1, wherein at least two of said walls are movable lengthwise.

10. The apparatus of claim 9, wherein only one of said at least two walls has a recessed stream-contacting surface.

11. The apparatus of claim 9, wherein each of said at least two walls has a recessed stream-contacting surface.

12. The apparatus of claim 1, wherein said channel further comprises a film of current-conducting material coating said stream-contacting surface.

13. The apparatus of claim 1, wherein said path has a width which decreases in the direction of lengthwise movement of said at least one wall.

14. The apparatus of claim 1, wherein said at least one wall consists at least in part of a material selected from the group consisting of polyurethane elastomers, polyethylene, polypropylene and polyester elastomers.

15. The apparatus of claim 1, wherein said stream is convertible into rod-like fillers of smokers' products each having a predetermined length and said material- receiving recesses are spaced apart from each other lengthwise of said at least one wall by a whole multiple of said predetermined length.

16. The apparatus of claim 1, wherein said walls include a first wall bounding said path from above, a second wall adjacent one side of said path and a third wall adjacent another side of said path, said surface being provided on at least one of said second and third walls.

17. The apparatus of claim 16, wherein said first wall is foraminous.

18. The apparatus of claim 16, further comprising a housing for said channel, said housing having portions supporting said second and third walls from below.

19. The apparatus of claim 1, wherein said recesses are equidistant from each other as seen in the direction of lengthwise movement of said at least one wall.

20. The apparatus of claim 1, further comprising means for showering particulate material into a predetermined portion of said path.